

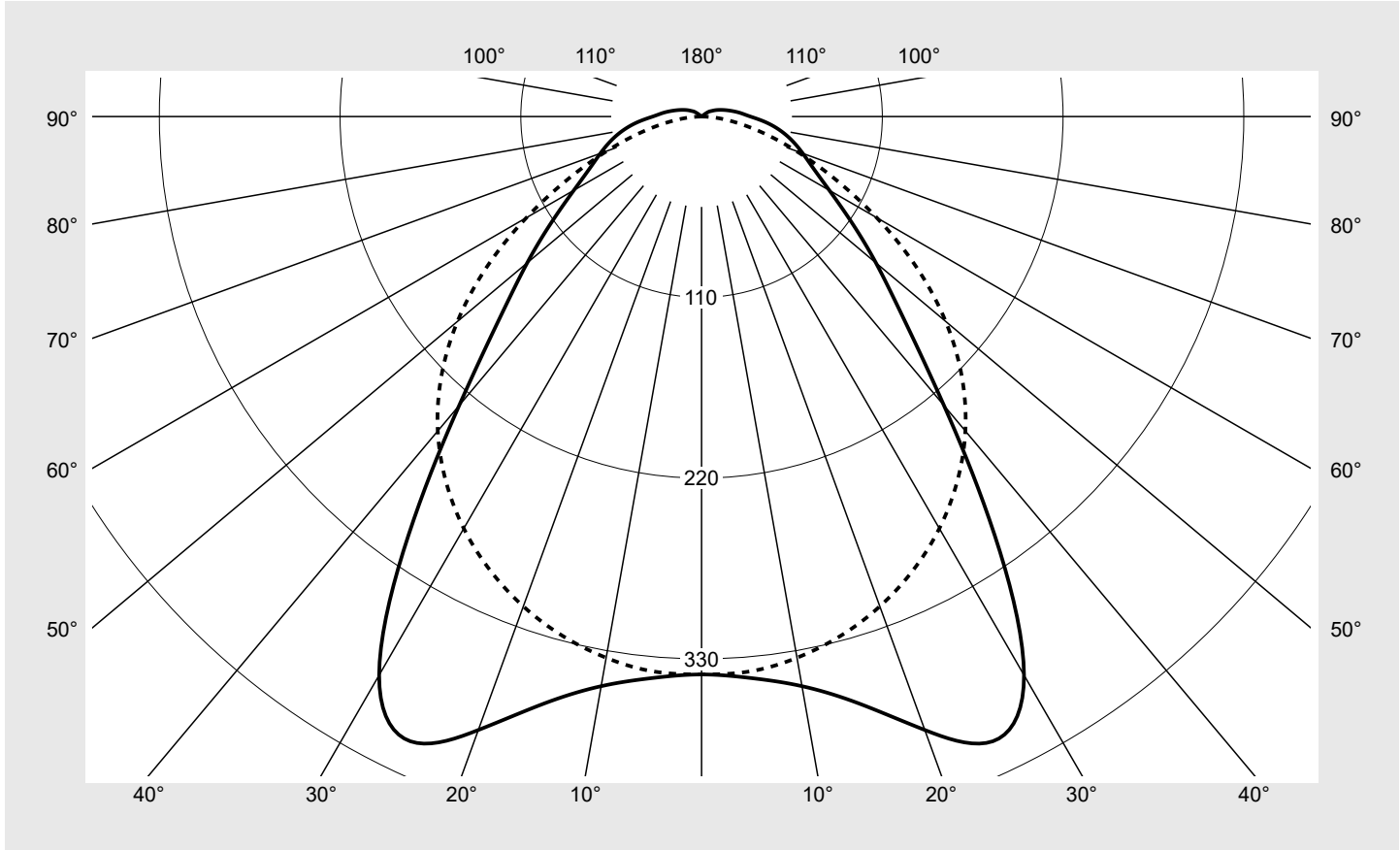
Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN5D5M EAN: 4069025589491	LP number 58521_189
	Version prismatic cover, frosted, wide distribution Lamps LED 5000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 13800 lm Power consumption = 83.9 W Luminous efficacy = 164.5 lm/W	serial documentation 30.10.2025





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 419 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	22.3	23.9	22.6	24.2	24.5	24.1	25.8	24.5	26.1	26.4
	3H	23.5	24.9	23.8	25.3	25.6	25.1	26.6	25.5	27.0	27.3
	4H	24.2	25.6	24.6	25.9	26.3	25.5	26.9	25.9	27.2	27.6
	6H	24.9	26.2	25.3	26.6	27.0	25.8	27.0	26.2	27.4	27.8
	8H	25.4	26.5	25.8	26.9	27.3	25.9	27.1	26.3	27.4	27.8
	12H	25.7	26.9	26.2	27.3	27.7	25.9	27.0	26.4	27.4	27.8
4H	2H	23.1	24.5	23.5	24.8	25.2	24.6	26.0	25.0	26.3	26.7
	3H	24.5	25.7	24.9	26.1	26.5	25.8	27.0	26.3	27.4	27.8
	4H	25.3	26.4	25.8	26.8	27.2	26.3	27.4	26.8	27.8	28.2
	6H	26.2	27.2	26.7	27.6	28.0	26.7	27.6	27.2	28.1	28.5
	8H	26.7	27.6	27.2	28.0	28.5	26.8	27.7	27.3	28.1	28.6
	12H	27.2	27.9	27.7	28.4	28.9	26.9	27.7	27.4	28.2	28.6
8H	4H	25.7	26.6	26.2	27.0	27.5	26.6	27.5	27.1	27.9	28.4
	6H	26.8	27.5	27.3	28.0	28.5	27.2	27.9	27.6	28.3	28.8
	8H	27.4	28.0	27.9	28.5	29.0	27.4	28.0	27.9	28.5	29.0
	12H	28.0	28.6	28.6	29.1	29.6	27.5	28.1	28.0	28.6	29.1
12H	4H	25.8	26.6	26.3	27.0	27.5	26.7	27.4	27.2	27.9	28.4
	6H	26.9	27.6	27.4	28.0	28.6	27.3	27.9	27.8	28.4	28.9
	8H	27.6	28.1	28.1	28.6	29.2	27.5	28.1	28.1	28.6	29.1

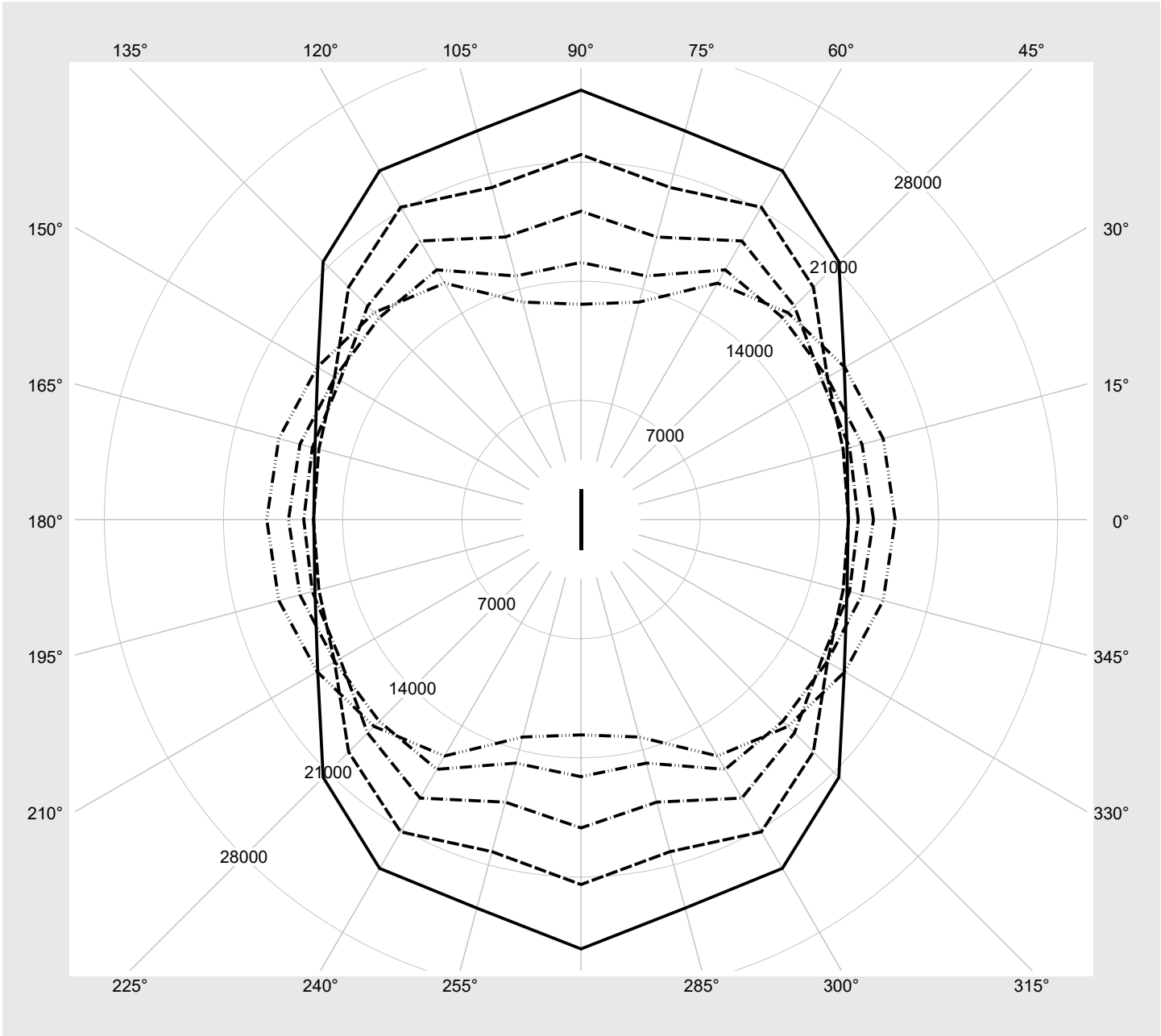
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

C-planes	γ	Luminance in cd/m ²							
		0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	25213.2	26495.9	30217.6	35904.4	40000.5	38877.0	37881.0	
	50°	21495.8	22535.0	25584.8	30503.1	35021.2	36050.9	36060.4	
	55°	18663.3	19587.1	22448.2	26665.8	30428.4	31986.3	33255.1	
	60°	16654.7	17367.0	19799.3	23859.2	26640.7	27617.6	29423.0	
	65°	15698.5	16180.8	17859.5	21420.4	23662.8	23632.4	25223.9	
	70°	15715.2	15943.6	16717.3	19306.0	21187.5	20198.7	21442.0	
	75°	16286.6	16339.0	16352.8	17729.9	18897.1	17185.9	18115.7	
	80°	17183.1	17092.0	16698.9	16763.9	16943.0	14813.3	15105.3	
	85°	18461.0	18378.8	17891.7	17188.2	16039.8	13227.7	12648.9	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	13800	83.9
95	240	252	13096	79.1
90	227	250	12436	74.8
85	213	248	11719	70.2
80	200	245	11048	65.8
75	187	243	10370	61.5
70	174	240	9685	57.3
65	160	237	8945	52.6
60	148	234	8304	48.8
55	135	231	7606	44.6
50	122	227	6902	40.5
45	109	223	6191	36.4
40	97	219	5530	32.6
35	84	213	4805	28.4
30	72	208	4132	24.8
25	60	201	3452	21.0
20	48	193	2769	17.3
15	36	182	2080	13.6
10	24	168	1386	9.9
5	12	142	688	6.3
2	4	102	218	4.0